

LISTING OF CLAIMS:

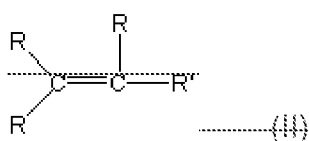
The following listing of claims replaces all prior versions:

LISTING OF CLAIMS:

1. – 53. (Canceled)

54. (Currently Amended) A composition ~~having no substantial acute toxicity~~ comprising:

(a) ~~1,1,1,2-tetrafluoropropene (HFO-1234yf)~~ at least one fluoroalkene having a total of at least four halogen substituents, at least three of said halogen substituents being F and at least one of said halogen substituents being located on an unsaturated, non-terminal carbon atom, said fluoroalkene being of Formula II:



~~where each R is independently Cl, F, I or H~~

~~R' is $(\text{CR}_2)_n\text{Y}$,~~

~~Y is CRF_2~~

~~and n is 0 or 1,~~

~~provided that there is not more than one F on the unsaturated, terminal carbon; and~~

(b) at least one adjuvant selected from the group consisting of lubricants, compatibilizers, surfactants, solubilizing agents, dispersing agents, cell stabilizers, cosmetics, polishing agents, medicaments, cleaners, fire retarding agents, colorants, chemical sterilants, stabilizers, polyols, polyol premix components and combinations of two or more of these.

55. (Original) The composition of claim 54 having a Global Warming Potential

(GWP) of not greater than about 150.

56. - 59. Cancelled

60. (Original) A heat transfer composition comprising the composition of claim 54 wherein said adjuvant includes at least one lubricant.

61. (Original) A heat transfer composition comprising the composition of claim 54 wherein said adjuvant includes at least one compatibilizer.

62. (Currently Amended) The heat transfer composition of claim ~~60~~61 wherein said ~~HFO-1234yf~~compound of Formula II is present in an amount of at least about 50% by weight and said lubricant is present in an amount of at least about 30% by weight.

63. (Currently Amended) A blowing agent comprising the composition of claim 54 wherein said adjuvant includes polyol, polyol premix components and combinations of these ~~at least one cell stabilizer~~.

64. (Currently Amended) A blowing agent comprising the composition of claim 54 wherein said ~~HFO-1234yf~~ compound of Formula II is present in an amount of at least about 5% ~~from about 30% to about 50%~~ by weight.

65. (Original) A sterilant composition comprising the composition of claim 54 wherein said adjuvant includes at least one chemical sterilant.

66. - 68. Cancelled.

69. (Previously Presented) The composition of claim 54 wherein said composition is non-flammable.

70. - 75. (Cancelled)

76. (Previously Presented) The composition of claim 54 having a Global Warming Potential (GWP) of not greater than about 100.

77. (Previously Presented) The composition of claim 54 having a Global Warming Potential (GWP) of not greater than about 75.

78. (Cancelled)

79. (Previously Presented) The composition of claim 54 having an ODP of not greater than about 0.02.

80. (Cancelled)

81. (Currently Amended) The composition of claim 54 wherein said composition is a refrigerant compositions and said HFO-1234yf ~~compound(s) of Formula II comprises~~ at least about 70 % by weight of the composition.
82. (Currently Amended) The composition of claim ~~61~~54 comprising compatibilizer and wherein said compatibilizer is selected from the group consisting of ~~comprises at least one~~ propane, butane, pentane, and combinations of these.
83. ~~— 84 (Cancelled).~~
85. (Currently Amended) The composition of claim ~~61~~54 comprising compatibilizer in amounts of from about 0.5 to about 5 percent by weight of the composition.
86. (Currently Amended) The composition of claim ~~65~~ 54 ~~comprising sterilant and~~ wherein said sterilant is selected from the group consisting of ethylene oxide (EO), formaldehyde, hydrogen peroxide, chlorine dioxide, ozone, and combinations of these.
87. - 90. Canceled
91. (Currently Amended) The composition of claim 54 wherein said HFO-1234yf ~~compound of Formula II~~ is present in the composition in an amount of at least about 50% by weight.
92. (Currently Amended) The composition of claim 54 wherein said HFO-1234yf ~~compound of Formula II~~ is present in the composition in an amount of at least about 70% by weight.
93. (Previously Presented) A refrigerant comprising the composition of claim 54, said refrigerant comprising lubricant in an amount of from about 30 to about 50% by weight.
94. (Previously Presented) The composition of claim 54 comprising a surfactant and a solubilizing agent.
95. (Previously Presented) The composition of claim 54 comprising lubricant wherein said lubricant is selected from the group consisting of polyol

- esters, poly alkylene glycols and combinations of these.
96. (Previously Presented) The composition of claim 95 wherein said lubricant comprises at least one polyalkylene glycol.
97. (Previously Presented) The composition of claim 95 wherein said lubricant comprises at least one polyol ester.
98. (Previously Presented) The composition of claim 95 wherein said composition has one liquid phase at at least one temperature between about -50°C and $+70^{\circ}\text{C}$.
99. (Previously Presented) The composition of claim 54 comprising lubricant and being stable when in contact with aluminum, steel and copper under the conditions of use in refrigeration and air conditioning systems.
100. (New) A composition having no substantial acute toxicity comprising:
(a) 1,1,1,2,3 pentafluoropropene (HFO-1225ye); and
(b) at least one adjuvant selected from the group consisting of lubricants, compatibilizers, surfactants, solubilizing agents, dispersing agents, cell stabilizers, cosmetics, polishing agents, medicaments, cleaners, fire retarding agents, colorants, chemical sterilants, stabilizers, polyols, polyol premix components and combinations of two or more of these.
101. (New) The composition of claim 100 having a Global Warming Potential (GWP) of not greater than about 150.
102. (New) A heat transfer composition comprising the composition of claim 100 wherein said adjuvant includes at least one lubricant.
103. (New) A heat transfer composition comprising the composition of claim 100 wherein said adjuvant includes at least one compatibilizer.
104. (New) The heat transfer composition of claim 102 wherein said HFO-1225ye is present in an amount of at least about 50% by weight and said lubricant is present in an amount of at least about 30% by weight.
105. (New) A blowing agent comprising the composition of claim 100 wherein said adjuvant includes polyol, polyol premix components and combinations

of these.

106. (New) A blowing agent comprising the composition of claim 100 wherein said HFO-1225ye is present in an amount of at least about 5% by weight.
107. (New) A blowing agent comprising the composition of claim 100 wherein said HFO-1225ye is present in an amount of at least about 15% by weight.
108. (New) A sterilant composition comprising the composition of claim 100 wherein said adjuvant includes at least one chemical sterilant.
109. (New) The composition of claim 100 wherein said composition is non-flammable.
110. (New) The composition of claim 100 having a Global Warming Potential (GWP) of not greater than about 100.
111. (New) The composition of claim 100 having a Global Warming Potential (GWP) of not greater than about 75.
112. (New) The composition of claim 100 having an ODP of not greater than about 0.02.
113. (New) The composition of claim 100 wherein said composition is a refrigerant compositions and said HFO-1225ye comprises at least about 70 % by weight of the composition.
114. (New) The composition of claim 100 comprising compatibilizer and wherein said compatibilizer is selected from the group consisting of propane, butane, pentane and combinations of these.
115. (New) The composition of claim 100 comprising compatibilizer in amounts of from about 0.5 to about 5 percent by weight of the composition.
116. (New) The composition of claim 100 comprising sterilant and wherein said sterilant is selected from the group consisting of ethylene oxide (EO), formaldehyde, hydrogen peroxide, chlorine dioxide, ozone, and combinations of these.
117. (New) The composition of claim 100 wherein said HFO-1225ye is present in the composition in an amount of at least about 50% by weight.
118. (New) The composition of claim 100 wherein said HFO-1225ye is present

- in the composition in an amount of at least about 70% by weight.
119. (New) A refrigerant comprising the composition of claim 100, said refrigerant comprising lubricant in an amount of from about 30% to about 50% by weight.
 120. (New) The composition of claim 100 comprising a surfactant and a solubilizing agent.
 121. (New) The composition of claim 100 comprising lubricant wherein said lubricant is selected from the group consisting of polyol esters, polyalkylene glycols and combinations of these.
 122. (New) The composition of claim 124 wherein said lubricant comprises at least one polyalkylene glycol.
 123. (New) The composition of claim 124 wherein said lubricant comprises at least one polyol ester.
 124. (New) The composition of claim 124 wherein said composition has one liquid phase at at least one temperature between about -50°C and $+70^{\circ}\text{C}$.
 125. (New) The composition of claim 100 comprising lubricant and being stable when in contact with aluminum, steel and copper under the conditions of use in refrigeration and air conditioning systems.
 126. (New) The composition of claim 100 wherein said HFO-1225ye comprises cis-HFO-1225ye.
 127. (New) The composition of claim 100 wherein said HFO-1225ye comprises trans-HFO-1225ye.
 128. (New) The composition of claim 100 wherein said HFO-1225ye comprises a combination of cis-HFO-1225ye and trans-HFO-1225ye.
 129. (New) A blowing agent comprising the composition of claim 54 wherein said HFO-1234yf is present in an amount of at least about 15% by weight.